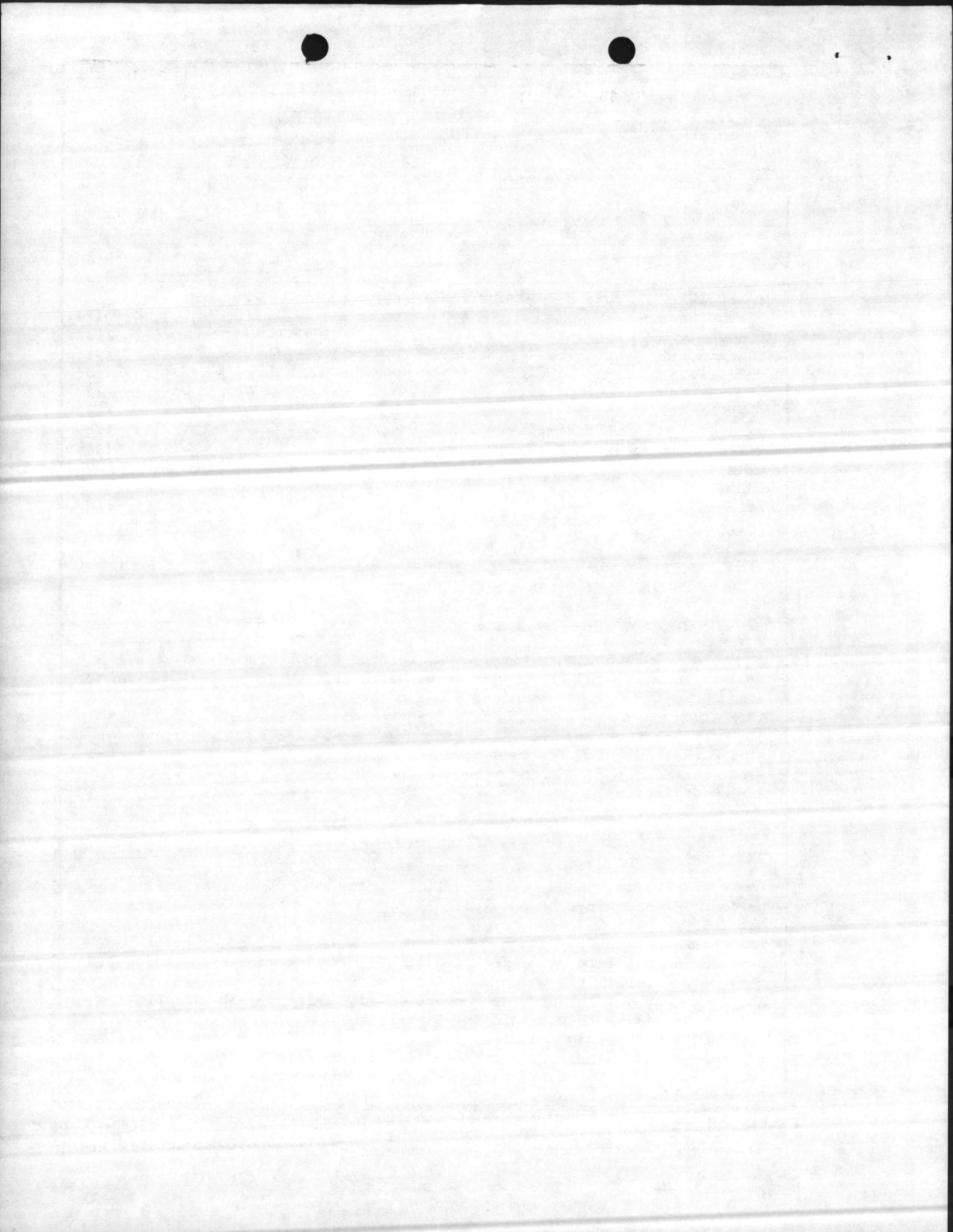
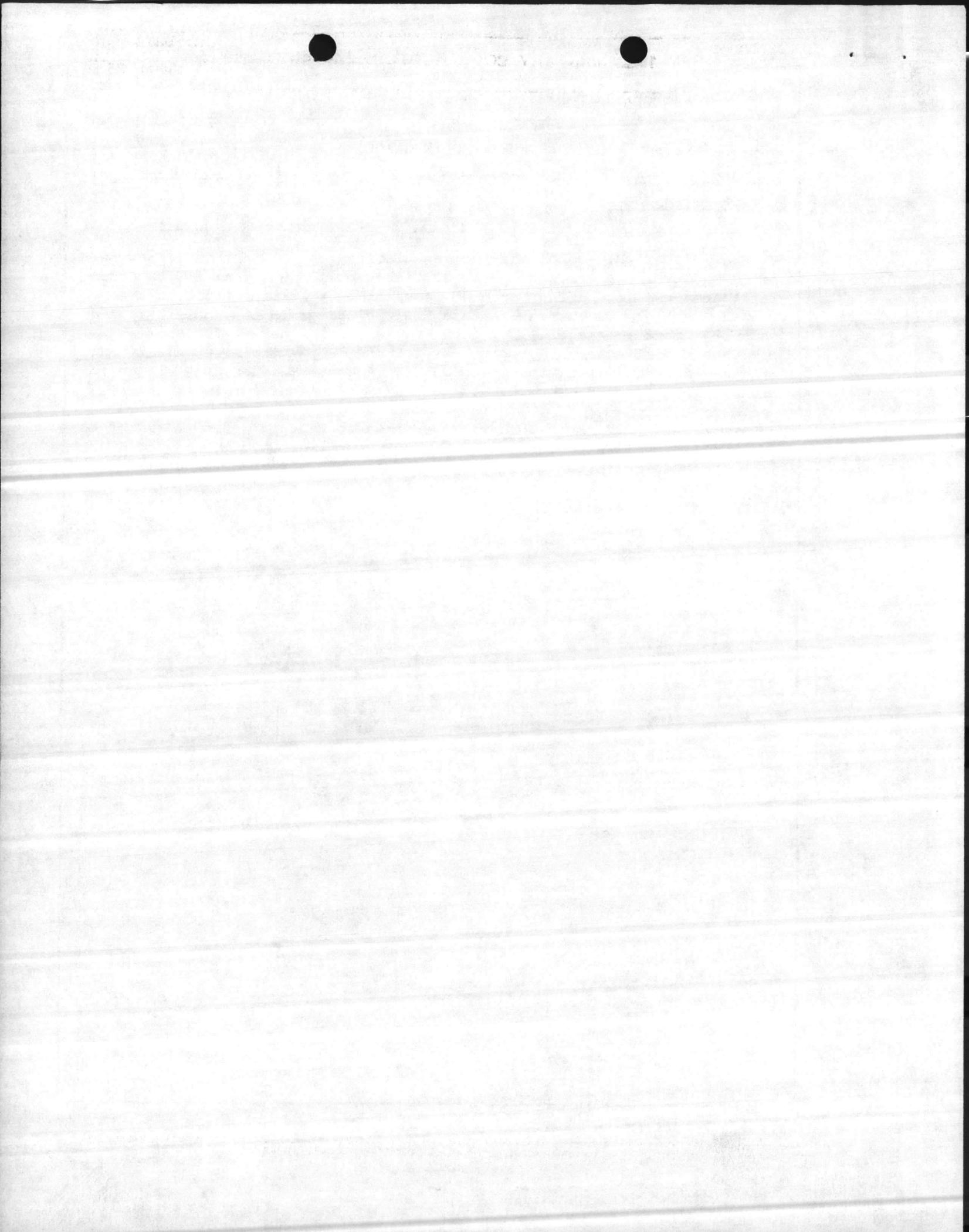


1. COMPONENT NAVY		FY 19 ⁸⁷ MILITARY CONSTRUCTION PROJECT DATA			2. DATE REVISED 1 March 85	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP LEJEUNE, NC 28542			4. PROJECT TITLE ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP			
5. PROGRAM ELEMENT		6. CATEGORY CODE 217-10	7. PROJECT NUMBER P-167		8. PROJECT COST (\$000) 1,400	
ESCALATED TO APRIL 1987			9. COST ESTIMATES			
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP		SF	11,725	96.88	1,136	
Building		SF	11,725	77.76	(912)	
Built-In Equipment		LS	-	-	(193)	
Solar Hot Water System		LS	-	-	(31)	
SUPPORTING FACILITIES					170	
Special Construction Features		LS	-	-	(21)	
Utilities		LS	-	-	(59)	
Roads, Parking, Sidewalks		LS	-	-	(75)	
Site Improvements		LS	-	-	(15)	
SUBTOTAL					1,306	
CONTINGENCY (5%)					65	
TOTAL CONTRACT COST					1,371	
SUPERVISION, INSPECTION & OVERHEAD (5.5%)					75	
TOTAL REQUEST					1,446	
TOTAL REQUEST (ROUNDED)					1,400	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(non-add)	(0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>Permanent one-story shop with piles, reinforced concrete foundation, floors, and masonry walls. Built-up roof over insulation and interior support systems, i.e., air conditioning, steam, compressed air, sprinkler fire alarm, plumbing, telephone and equipment installation, 60/400 cycle electrical; grounding, etc., exterior pavements, fencing, area lighting, site work, and utilities connected are included. Fallout shelter excluded - shelters for personnel have been programmed in other projects. (38 tons Air conditioning)</p>						
11. <u>REQUIREMENTS</u> : 49,485 SF Adequate: 7,834 SF Substandard: 2,400 SF						
<p><u>PROJECT</u>: Provide an adequate facility for the 8th Communication Bn. to perform 1st and 2nd echelon maintenance on organic field communications gear.</p> <p><u>REQUIREMENT</u>: The 8th Communications Battalion has the requirement to provide and maintain communications within a Marine Amphibious Force theatre of operations, which includes a Marine Infantry Division, a Marine Air Wing, and a Force Service Support Group. This project will provide an adequate facility to maintain the Battalions organic field communications equipment, both radio and wire. This Battalion maintains over 2,799 pieces of communications gear consisting of 59 vehicle mounted radios, 45 sheltered radios and 2,695 portable radios, and employs 66 people in their communicatins maintenance facility, and has a total of 82 vehicles.</p>						



1. COMPONENT NAVY	FY 19 <u>87</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 March 85
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP	5. PROJECT NUMBER P-167	
<p><u>CURRENT SITUATION:</u> Communication and Electronics Maintenance is now being performed by the Battalion in six scattered buildings, some in the Industrial Area and some using borrowed space from other battalions in the French Creek Area. The substandard WWII buildings in the Industrial Area cannot be made adequate. They lack proper ceiling height for mobile field communications vehicles, proper door height, proper bay size, electrical service, lighting, work space and parking space. The borrowed spaces in French Creek needs to revert back to other battalions for their intended use.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Work will continue to be done in scattered substandard WWII make-do buildings, causing protracted maintenance efforts with a resulting increase in deadline equipment, adversely affecting the battalions combat readiness posture.</p>		



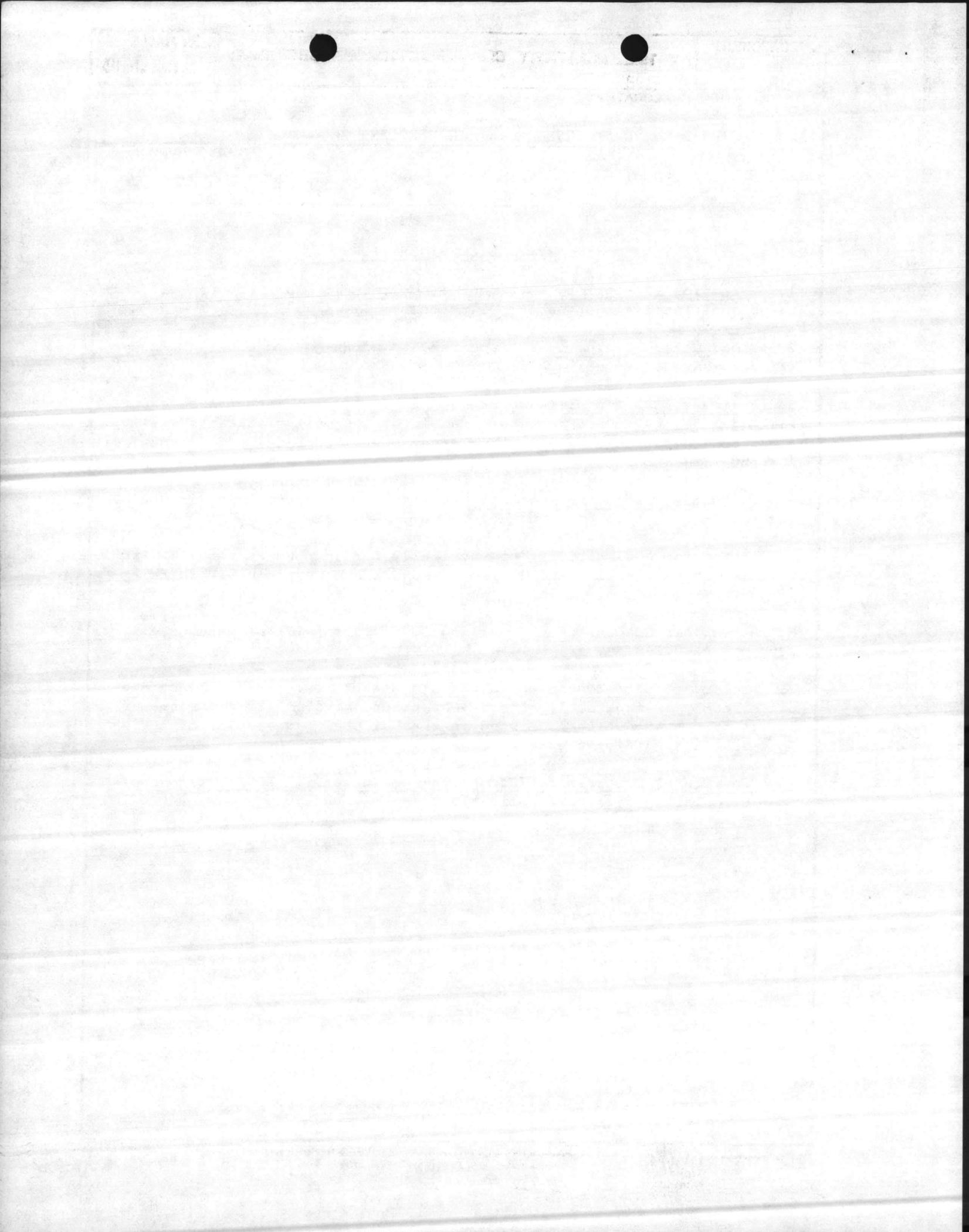
1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 March 85
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3. INSTALLATION AND LOCATION
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP	5. PROJECT NUMBER P-167
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SPECIAL CONSIDERATIONS

1. Pollution Prevention, Abatement, and Control: This project will not cause additional air or water pollution.
2. Flood Hazard Evaluation: Requirements of Executive Order No. 11296 (Flood Hazards) are not applicable.
3. Environmental Impact: The project Environmental Impact Assessment will be made, reviewed, and where required, the design concepts will be given consideration to eliminating adverse environmental effects consistent with applicable directives.
4. Fallout Shelter Construction: Fallout shelter protection is not incorporated in this project.
5. Design for Accessibility of Physically Handicapped Personnel: Provisions for physically handicapped personnel are not required in this project.
6. Use of Air Conditioning: Ceiling "U" factors will be made to conform with DOD 4270.1-M.
7. Preservation of Historical Sites and Structures: This project does not directly or indirectly affect a district, site, building, structure, object or setting which is listed in the National Register or otherwise possesses a significant quality of American history.
8. "New Start" Criteria for Commercial or Industrial Activities Program (OMB Circular A-76): Not Applicable.



1. COMPONENT		2. DATE	
NAVY		1 March 85	
FY 1987 MILITARY CONSTRUCTION PROJECT DATA			
FY-1987			
3. INSTALLATION AND LOCATION			
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542			
4. PROJECT TITLE		5. PROJECT NUMBER	
ELEC/COMM MAINTENANCE SHOP		P-167	

FACILITY STUDY

1. Project. Provide 11,725 SF of electronics/communications maintenance shop for electronics and communications T/E equipment assigned to Communication Battalion for the 2d Force Service Support Group.

2. Current and Planned Future Workload with Regard to this Project. The duration of need is indefinite and the facility will be utilized 100 percent of the time. An average of ten hours per day for a five-day work-week is spent in the shop. After training exercises or deployments, the maintenance workload increases; consequently, many nights and weekends are required to perform the additional maintenance. The organization is responsible for performing first and second echelon maintenance on all items of electronics and communications equipment authorized by the T/E. The future workload is difficult to project; however, it is expected to increase as the present equipment becomes older and new items are introduced into the system.

3. Description of Proposed Construction.

a. Type of Construction.

(1) Permanent one-story maintenance shop on pilings, reinforced concrete foundations, floors, masonry walls, built-up roofs, insulation, interior utilities, air conditioning in training and administrative areas, 60/400 cycle power with AC/DC power bus duct.

(2) Rigid and flexible walks and parking pavements, security fencing and lighting, site improvements, exterior utilities, etc.

b. Replacement. Not applicable. Existing facilities will be temporarily utilized to satisfy deficiencies until new facilities are constructed.

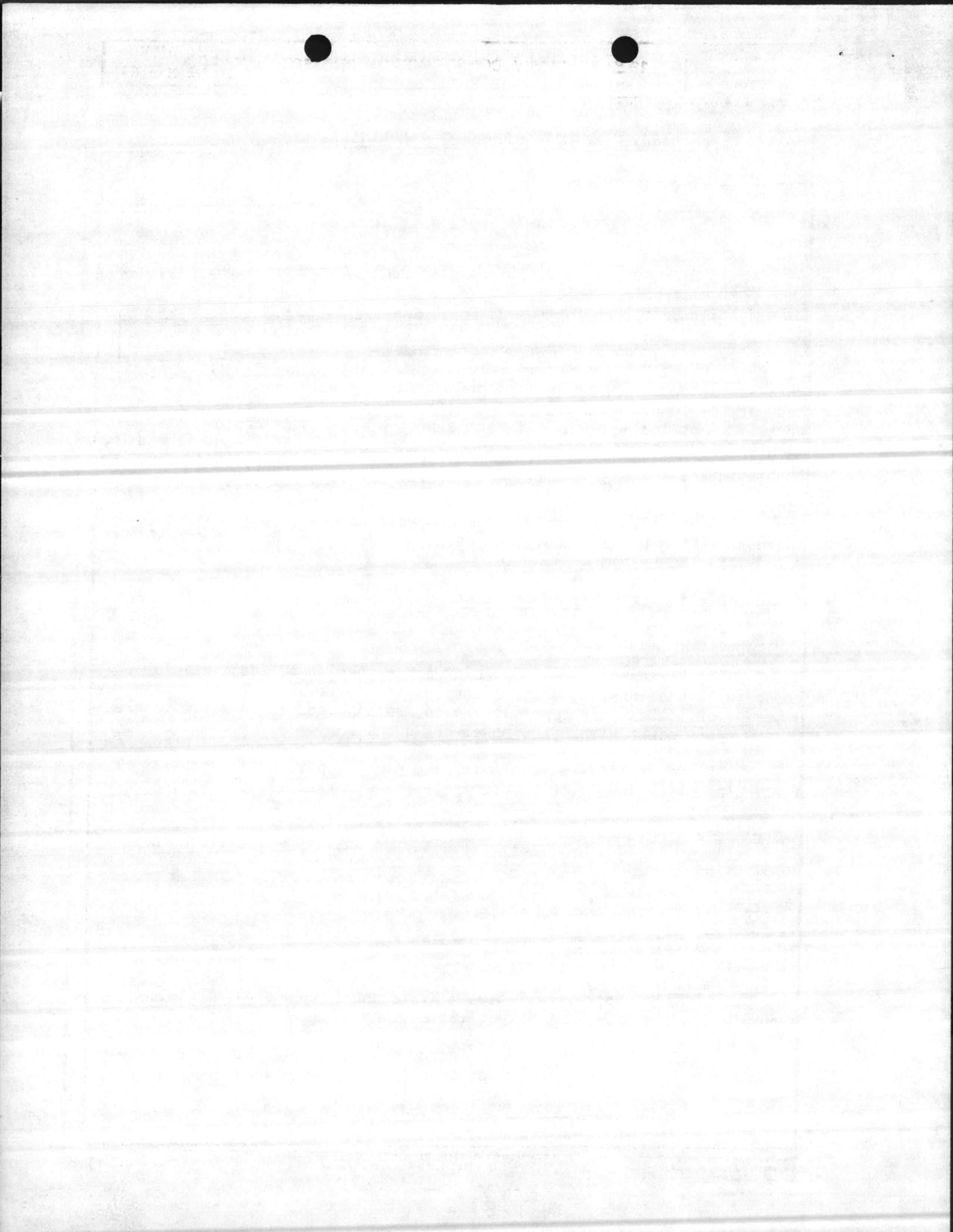
c. Description of Work to be Done.

(1) Primary Facilities. Modular reinforced concrete/masonry structures on pile foundation.

(a) Support Facilities. Rigid and flexible pavements, security fencing and lighting, utilities, and site improvement.

(2) Energy Conservation. Energy efficient equipment and building orientation for maximum energy conservation will be utilized.

(3) Collateral Equipment: See the following pages.



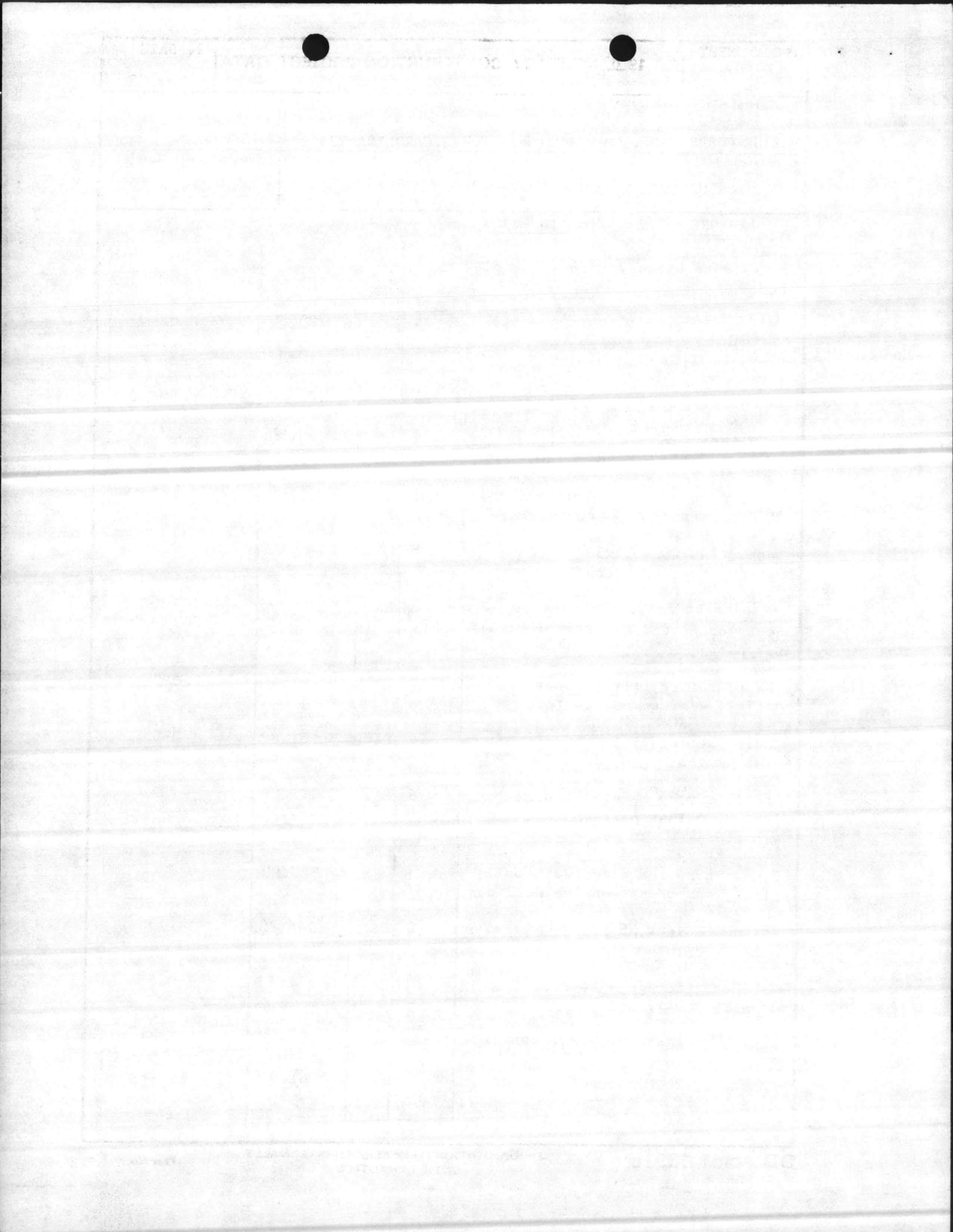
1. COMPONENT	FY 19 <u>77</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		1 Mar 85

3. INSTALLATION AND LOCATION
 MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE	5. PROJECT NUMBER
ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP	P-167

2. EXPENSE ITEMS: (continued)

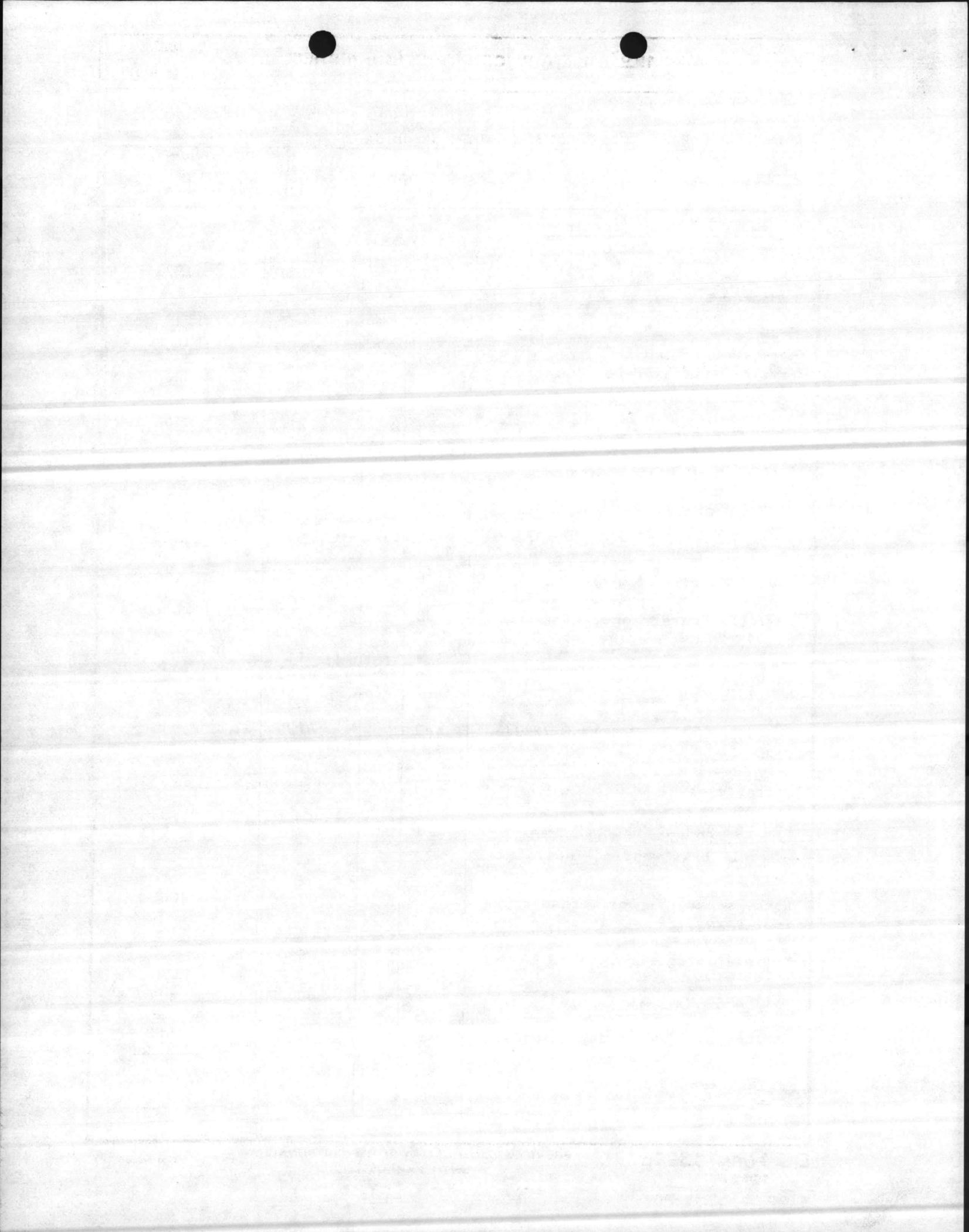
Parts Rota bins, 3' dia, multiple bin	16	EA	360.00	5,760
Charger, battery, 12V, 24V, 36V selenium type; battery tester, 12V, 24V, 36V, 2.2KW, 110/220V	4	EA	550.00	2,200
14"W shelving w/adj stds	24	EA	120.00	2,880
12"W shelving w/adj stds, 6 shelves, 36"W & 84"H	24	EA	90.00	2,160
Desk, flat top, dbl ped, 60x30" walnut pattern top, no overhang	3	EA	315.00	945
Desk, flat top, 45x30" walnut pattern top, no overhang	8	EA	240.00	1,920
Attachment for above desk secretarial and general clerical purposes	8	EA	275.00	2,220
Chair, rotary, tilting seat and height, w/arms and casters	11	EA	63.46	698
Chair, secretarial, rotary adj. seat height,	14	EA	61.82	865
Stand, office machine 2 drop leaves, walnut pattern top, w/casters	6	EA	122.00	732
Typewriter, IBM electric, dual pitch, carbon ribbon, selectric	8	EA	947.00	7,576
Filing Cabinet, 5 drawer, legal size, w/o lock	8	EA	146.20	1,170
Cabinet, storage, dbl door, 36"x18" x80-1/16"H	10	EA	132.27	1,323
Bookcase, 48"overall height, parch	17	EA	82.92	1,410
Bookcase, 29 1/2" overall, parch.	17	EA	61.02	1,037
Chair, straight, w/o arms	36	EA	40.00	1,440



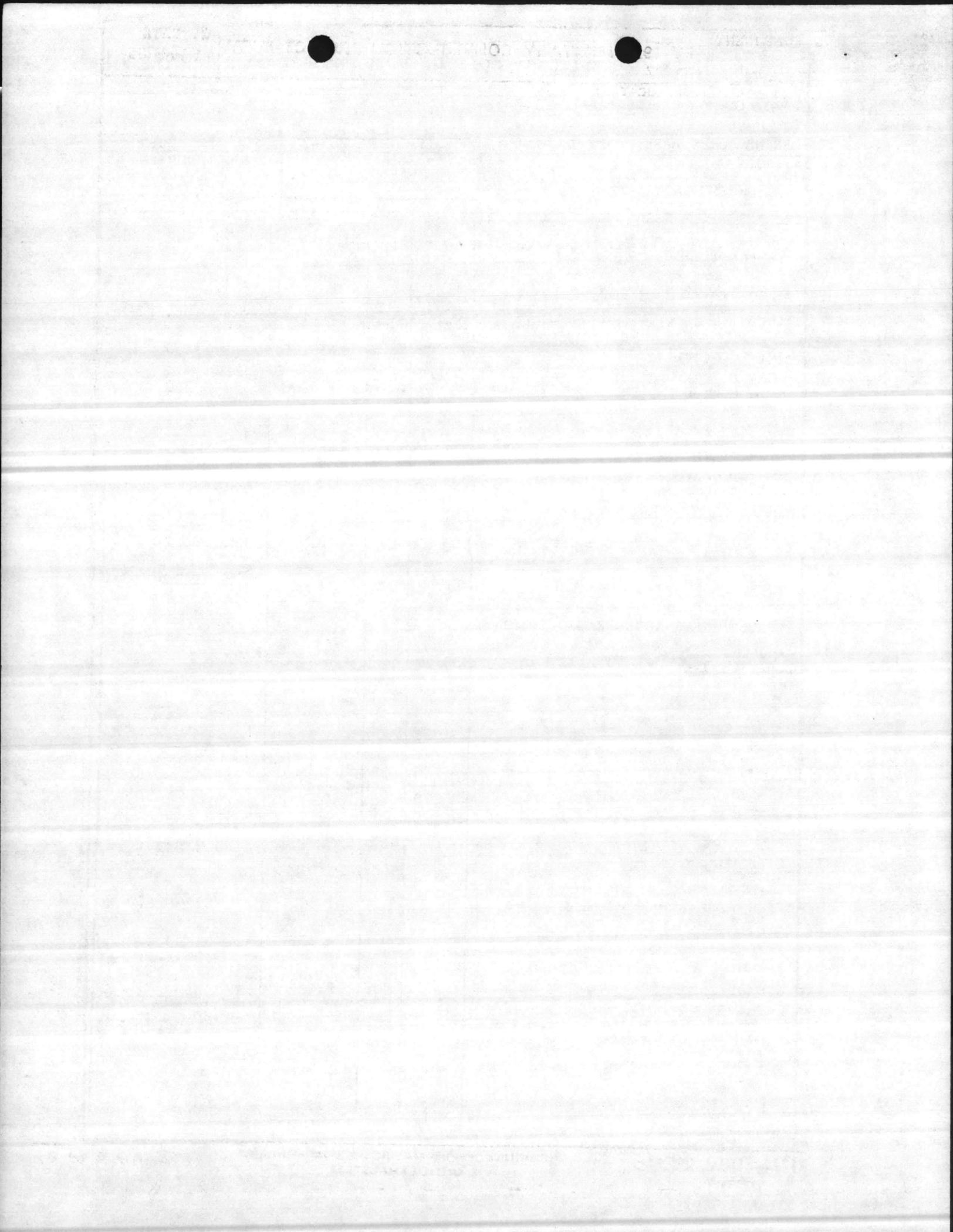
1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Mar 85
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ELECTRONICS/COMMUNICATIONS MAINTENANCE SHOP		5. PROJECT NUMBER P-167

2. EXPENSE ITEMS: (continued)

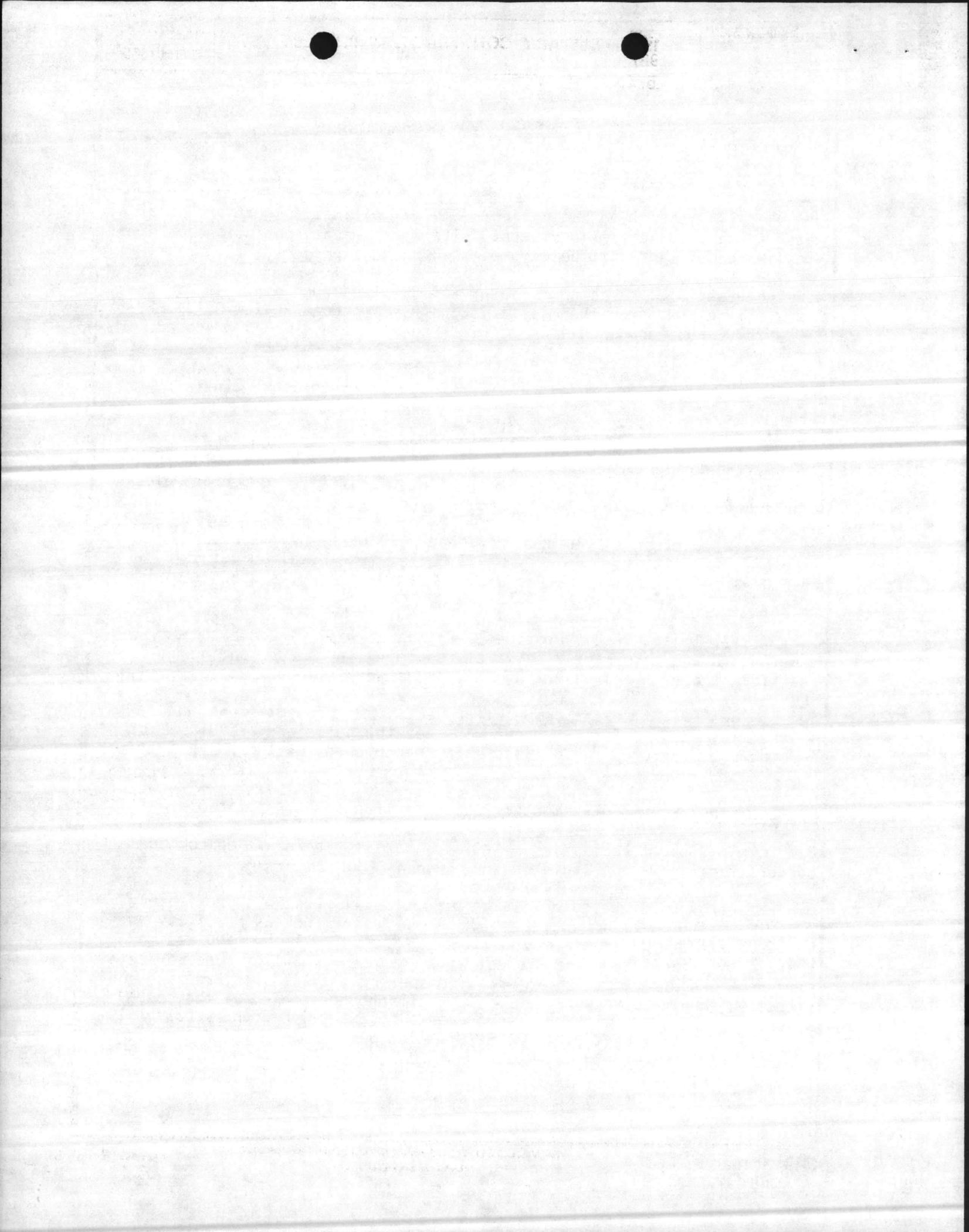
Costumer, wearing apparel, contemporary, 4 dbl hooks round pole w/round base	12	EA	31.50	378
Rack, wearing apparel, contemporary, 6 metal hangers, 78x30x20 at base.	8	EA	55.63	445
Wastepaper, basket, darkbrown	24	EA	2.75	66
Draperies	10	PR	90.00	900
Draperies, blackout	10	PR	95.00	950
Desk, lamp	24	EA	45.00	1,080
Adding Machine, Monroe, Model 1405	6	EA	400.00	2,400
Bulletin Board, cork, alum frame 4'x6' T5-2307	8	EA	82.00	656
Table, general purpose 60"x30"x29½"	6	EA	164.00	984
Student chairs, Model HC-7730-PABS-PP	42	EA	70.00	2,940
Portable easel Model T5-80E	3	EA	90.00	270
438EN 10 LP bench 96x36x35½ 5 400 HZ, 60 HZ, 28 VOC on 20A circuit brks w/pilot indicator	12	EA	1,484.00	17,808
Rack, security, for mechanics tool boxes, 24 openings	4	EA	2,000.00	8,000
Extinguisher, fire, 15 lb CO ₂	10	EA	85.00	850
Extinguisher, fire, 2½ gal. H ₂ O	11	EA	40.00	400
Extinguisher, fire dry chemical	10	EA	90.00	900
TOTAL EXPENSE ITEMS:				88,328



1. COMPONENT NAVY	FY 19 ⁸⁷ MILITARY CONSTRUCTION PROJECT DATA	2. DATE 1 Mar 85
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP	5. PROJECT NUMBER P-167	
3. INVESTMENT ITEMS: None		
4. APA EQUIPMENT: None		
5. TRAINING EQUIPMENT: (to be locally funded)		
Movie Projector	2 EA	630.00
Movie Screen	2 EA	120.00
Overhead Projector	2 EA	412.00
TOTAL TRAINING ITEMS:		824
		2,234
6. EQUIPMENT ON HAND: None		
7. SUMMARY: Expense Costs (O&MMC)		88,328
Training Eqpt.		2,234
EXPENSE ITEMS ACCELERATED TO FY-87		102,992
Beneficial Occupancy Date: April 1988		



1. COMPONENT NAVY	FY 1987 MILITARY CONSTRUCTION PROJECT DATA FY-87	2. DATE 1 Mar 85
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542		
4. PROJECT TITLE ELEC/COMM MAINTENANCE SHOP	5. PROJECT NUMBER P-167	
<p>(4) <u>Supporting Facilities.</u> Special piling, foundation, solar hot water system, collateral equipment, site improvement, pollution abatement, etc. No demolition will be accomplished on this project.</p> <p>4. <u>Cost Estimate.</u> Area cost factor for Camp Lejeune, N. C. is 0.95. Cost data derived from the Military Construction Cost Review Guide, FY-82 (DOD 4270.1-CG), and escalated to FY-87 to provide for this proposed facility.</p> <p>5. <u>Justification for Project and for Scope of Project.</u></p> <p>a. <u>Justification for Project.</u></p> <p>(1) <u>Project.</u> Proposed facilities are required to provide a Communication Battalion adequate and secure facilities to perform electronic and communications equipment maintenance.</p> <p>(2) <u>Current Situation.</u> Personnel are working in substandard and makeshift facilities, temporary WW-II Butler type metal buildings with open bays and oil space heaters and no heads, located in the Hadnot Point area.</p> <p>(3) <u>Impact if Not Provided.</u> Personnel will continue to work in substandard and makeshift facilities resulting in time consuming and inefficient operations resulting in loss of work time and wasted energy.</p> <p>b. <u>Justification for Scope of Project.</u> The project scope, 11,725 SF, is the minimum size facility that can meet the deficiency requirement for the electronic/communications maintenance needs of the Communication Bn of 2d FSSG. See Item 13.</p> <p>6. <u>Equipment Provided from Other Appropriations.</u> Not applicable.</p> <p>7. <u>Common Support Facilities.</u> Not applicable. There are no common support facilities available in the French Creek area.</p> <p>8. <u>Effect on Other Resources.</u> The project will require approximately \$4,072 per year in increased O&MMC funds for increased utility services and operations. No additional personnel will be required to operate this facility. The project will enhance and improve the morale of personnel presently working in widely dispersed facilities. Proposed construction should be responsive to the challenges presented by the energy situation and comply with the requirements of Executive Order 12003 of 20 July 1977 and implemented by NAVFACINST 4100.5A.</p>		



3. INSTALLATION AND LOCATION
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE **ELEC/COMM MAINTENANCE SHOP** 5. PROJECT NUMBER **P-167**

Utility Requirements

a. Electricity	Consumption	<u>40,166</u>	KWHR/yr
	Peak Demand	<u>25</u>	KW
	Avg Demand	<u>23</u>	KW
b. Steam	Consumption	<u>1,801,633</u>	lbs/yr
	Demand	<u>645</u>	lbs/hr
c. Coal		<u>70.4</u>	tons/yr
d.	Adequate utility requirements are available.		

9. Siting of the Project. This facility will be located in the French Creek Area, in keeping with the Camp Lejeune Master Plan.

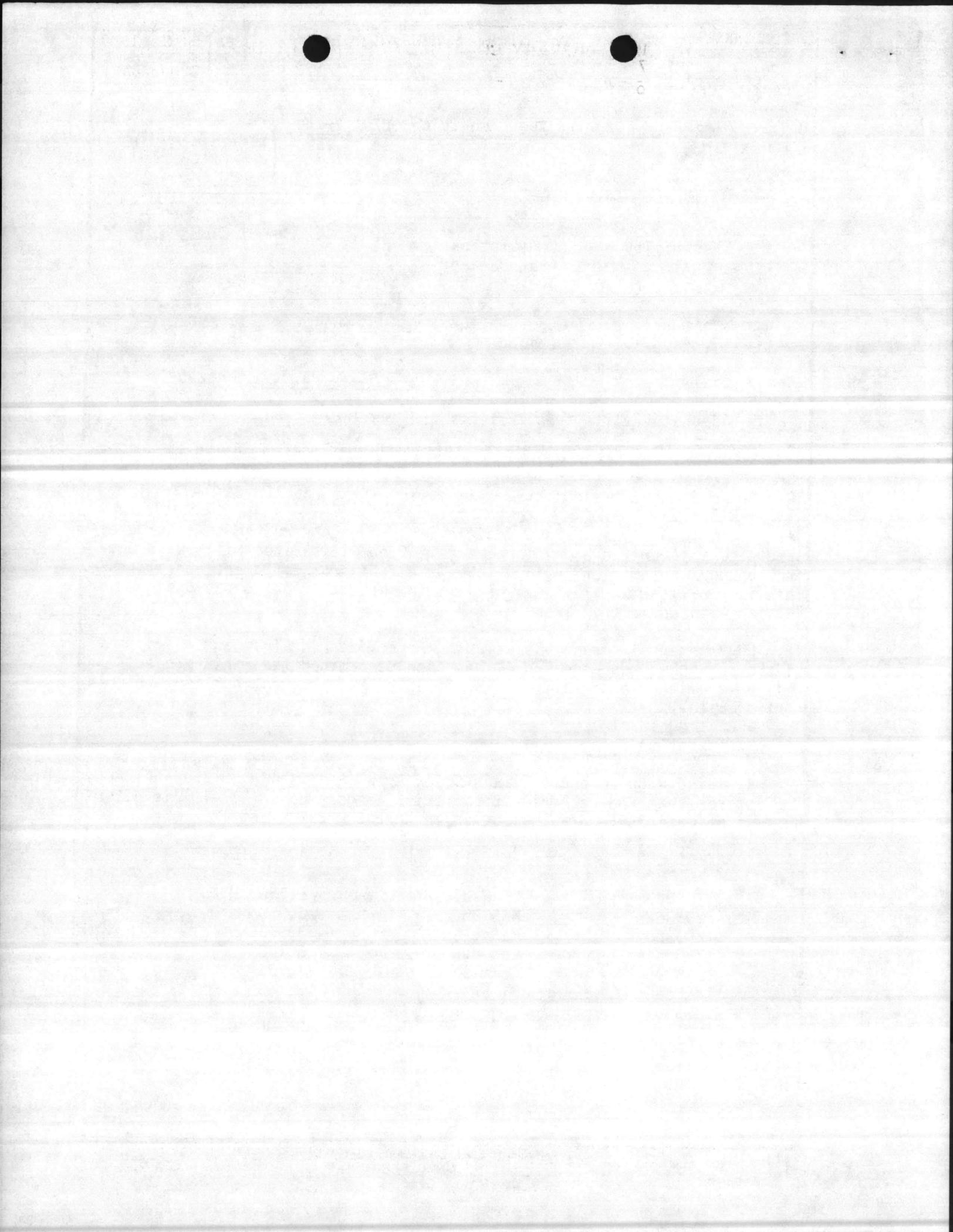
10. Other Graphic Presentations, including Photographs. NONE

11. Economic Analysis. This facility is being constructed on an undeveloped site adjacent to a developed area. Economic savings will be in nominal energy consumption savings to be realized from efficient operations. This is a military operational project in support of an operational mission located in this area.

12. Environmental Impact Assessment. An environmental impact assessment of the area has been made and it has been determined that this project will have neither a significant impact on the environment nor is it highly controversial.

13. Quantitative Data.
 a. BFRL Requirement. French Creek Area (EA) is 46,185 SF. NAVFAC P-80 states that the requirement for this category code (217-10) is determined from definitive drawings given in NAVFAC P-272, Part IV.

<u>NAVFAC DWG #</u>	<u>ACTIVITY</u>	<u>AREA S.F.</u>	
1293363	2d Radio Bn	9,750	U.C.
1293362	H&S Bn	3,950	
1293366	Maint Bn	3,300	
1293361	Lnd Sup Bn	6,100	
1293365	Comm Bn	11,725	
1293366	MT Bn	3,300	
1293364	Engr Bn	4,760	
1293366	Sup Bn	<u>3,300</u>	U.P.
TOTAL:		46,185	



3. INSTALLATION AND LOCATION: MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA 28542

4. PROJECT TITLE: ELEC/COMM MAINTENANCE SHOP
 5. PROJECT NUMBER: P-167

- b. Existing Facilities. NONE
- c. Planned Facilities.

<u>Project No.</u>	<u>Area SF</u>	<u>Status</u>
P-117	9,750	Existing Adequate
P-505	3,950	FY-84 Program
P-538	3,300	FY-84 "
P-564	6,100	FY-84 "
P-167	11,725	FY-86 "
P-541	3,300	FY-87 "
P-542	4,760	FY-87 "
P-543	3,300	U.P.

SUBTOTAL 46,185

d. Existing Adequate Facilities 9,750
 Planned Facilities 36,435
 Total Planned & Existing 46,185
 BFRL TOTAL 46,185

